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monoclonal antibody reagents. Targeting vectors direct expression of sFvs to either the cytoplasm, nucleus, endoplasmic reticulum, or the mitochondria.

REMARKS

In the present Communication, the Examiner points out that there is no sequence identification number assigned to amino acid sequences, DPKKKRKV and SEKDEL in Figure 2 (page 7, lines 3-5). To correct this deficiency, Applicants have amended Figure 2 by assigning SEQ ID Nos: 92 and 93 to these sequences, respectively. This amendment does not constitute any new matter.

In addition, the Examiner contends that the term "ITSP" on pages 4, 5 and 23 of the specification is "not properly identified by a sequence identification number corresponding to the same sequence set forth in the sequence listing." This term, however, is not a protein sequence but rather stands for "Incellular Targeting Signal Peptide" or Intracellular Targeting Signal" (see specification at pages 4 and 23). Accordingly, it is unnecessary to correct the current Sequence Listing, as previously submitted on January 10, 2002.

In view of the foregoing remarks and amendment, Applicants submit that there is no need to submit a substitute copies of Sequence Listing and a statement stating that these copies are similar and do not include any new matter.

Applicants urge that the present claims are in condition for examination on the merits. Receipt of the initial Office Action on the merits is awaited. Should there be any questions regarding this application, the Examiner is invited to contact the undersigned at the telephone number shown below.

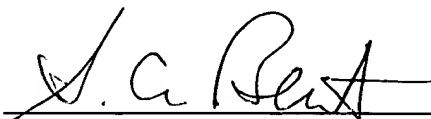
If there are any fees due in connection with the filing of this Response, please charge the fees to Deposit Account No. 19-0741.

Respectfully submitted,

Date

29 May 2003

By



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MARKED UP VERSION SHOWING CHANGES MADE

Below are the marked up replacement paragraph(s):

Page 7, paragraph starting at line 3 ending at line 5

FIG. 2 ~~SEQ ID NOS: 1-2, 92-94~~ Shows schematic representations of example intracellular targeting sequences (DPKKKRKV, SEQ ID NO: 92; SEKDEL, SEQ ID NO: 93; MSVLTPLLLRGLTGSARRLPVRAKIHSL, SEQ ID NO:1; and METDLLLWVLLLWVPGSTGD, SEQ ID NO:2, respectively) for use with single chain monoclonal antibody reagents. Targeting vectors direct expression of sFvs to either the cytoplasm, nucleus, endoplasmic reticulum, or the mitochondria.